taternational Application No

T/US2004/043447

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D471/04 C07D471/14 A61K31/437 A61P37/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the re	Relevant to claim No.		
Х	WO 00/76519 A (3M INNOVATIVE PRO COMPANY) 21 December 2000 (2000- claim 1; examples 1-231	1-34		
Α	WERMUTH ET AL: "The Practise of Chemistry" PRACTICE OF MEDICINAL CHEMISTRY, pages 203-237, XP002190259 page 209	1–34		
X	WO 03/103584 A (3M INNOVATIVE PR COMPANY) 18 December 2003 (2003-claims 1,15; examples 34-53,102,113,117,118		1-3,9, 10, 13-28, 33,34	
X Furt	ner documents are listed in the continuation of box C.	Patent family members are listed in	n annex.	
'A' docume consid 'E' earlier of filing of 'L' docume which chalio 'O' docume other of the consider of the consideration of	ent which may throw doubts on priority claim(s) or is ciled to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
	actual completion of the international search 6 August 2005	Date of mailing of the international sea	•	
Name and r	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Grassi, D		

International Application No TCT/US2004/043447

		TCT/US2004/043447
C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/096998 A1 (GERSTER JOHN F ET AL) 22 May 2003 (2003-05-22) claim 1	1,2,7,8, 11, 13-28, 31,32
P,X	WO 2004/058759 A (3M INNOVATIVE PROPERTIES COMPANY) 15 July 2004 (2004-07-15) pages 201-214; claim 10	1-34
x	US 6 525 064 B1 (DELLARIA JOSEPH F ET AL) 25 February 2003 (2003-02-25) claim 1; examples 6,31,70,88,113,136	1-3,9, 10, 13-28, 33,34
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nternational application No. PCT/US2004/043447

Box II Obser	vations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Internationa	al Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims becaus	Nos.: e they relate to subject matter not required to be searched by this Authority, namely:
2. Claims becaus an exte	Nos.: e they relate to parts of the international Application that do not comply with the prescribed requirements to such int that no meaningful International Search can be carried out, specifically:
3. Claims becaus	Nos.: e they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Obser	vations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Internationa	al Searching Authority found multiple inventions in this International application, as follows:
see	additional sheet
·	
1. X As all re searcha	equired additional search fees were timely paid by the applicant, this International Search Report covers all able claims.
2. As all s of any a	earchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment additional fee.
3. As only covers	some of the required additional search fees were timely paid by the applicant, this International Search Report only those claims for which fees were paid, specifically claims Nos.:
4. No requirestricte	uired additional search fees were timely pald by the applicant. Consequently, this international Search Report is ad to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Prot	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1(part),2(part),3,9,10,13-28(part),33,34

Compounds according to claim 1 in which RA and RB independently are substituents.

2. claims: 1(part), 2(part), 4, 5, 12-28(part), 29, 30

Compounds according to claim 1 in which RA and RB taken together form a fused aryl ring.

3. claims: 1(part),2(part),6,12-28(part)

Compounds according to claim 1 in which RA and RB taken together form a fused 5 to 7 membered saturated ring.

4. claims: 1(part),2(part),7,8,11,13-28(part),31,32

Compounds according to claim 1 in which RA and RB taken together form a fused heteroaryl- or a 5 to 7 membered saturated heterocyclic-ring.

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